Title: Controlling Visibility in Multi-Version ...

Inventors: Foster D. Hinshaw et al.

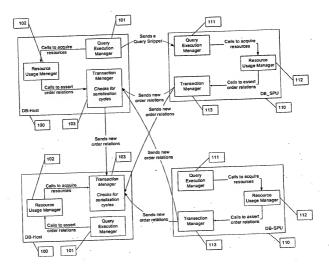


Fig.1

Docket No.: 3336.1017-007
Title: Controlling Visibility in Multi-Version ...
Inventors: Foster D. Hinshaw et al.

175

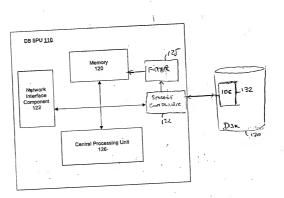


Fig. 2

Docket No.: 3330.1017-00.

Title: Controlling Visibility in Multi-Version ...

Inventors: Foster D. Hinshaw et al.

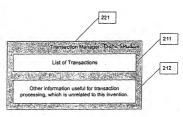


FIG.3

Title: Controlling Visibility in Multi-Version ...
Inventors: Foster D. Hinshaw et al. Docket No.: 3330.1011-00-

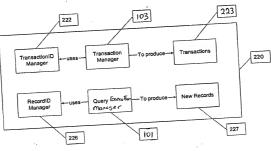


FIG. 4

Docket No.: 5550.1011-505
Title: Controlling Visibility in Multi-Version ...
Inventors: Foster D. Hinshaw et al.

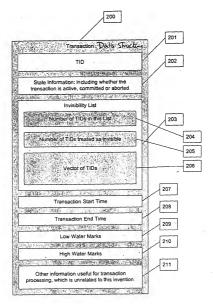


FIG.5

Docket No.: 3556. 16 17-60.

Title: Controlling Visibility in Multi-Version ...

Inventors: Foster D. Hinshaw et al.

_				User Field 1		User Field N
۱	Record ID	Creator TID	Deleter TID	User Field 1		111
1	∠ 00-1-1	<u>€00-1-2</u>	<u>600-1-3</u>	600-2-1		600-2-2
	System Control Fields 600-1			-	User Date	a Fields 600-2
		Databa	se Record	600		

FIG.: 6

Docket No.: 3336.1017-00.

Title: Controlling Visibility in Multi-Version ...
Inventors: Foster D. Hinshaw et al.

1	1234	0	Smith	Lisa	100
110-1-1	110-1-2	110-1-3	110-1-4	110-1-5	110-1-5
2	1234 -	0	LeRoq	Henri	40
110-2-1	110-2-2	110-2-3	110-2-4	110-2-5	110-2-6
3	1234	0	Reddi	Madhu	85
110-3-1	110-3-2	110-3-3	110-3-4	110-3-5	110-3-6

FIG.7

Docket No.: 3333.233.

Title: Controlling Visibility in Multi-Version ...

Inventors: Foster D. Hinshaw et al.

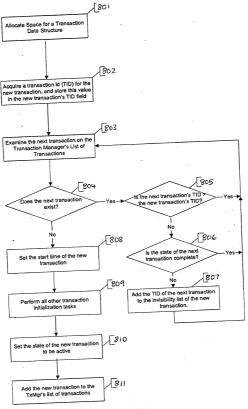


Fig. 8

Title: Controlling Visibility in Multi-Version ... Foster D. Hinshaw et al.

Inventors:

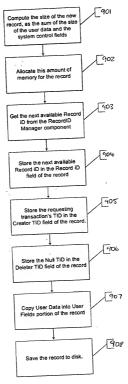


FIG. 9

Inventors:

1 1	1234	0	Smith	Lisa	100
1 10-1-1	16 0-1-2	110-1-3	110-1-4	110-1-5	11:0-1-5
2	1234	5000	LeRoq	Henri	40
180-2-1	1(0-2-2	1/0-2-3	110-2-4	110-2-5	11:0-2-6
3	1234	6000	Reddi	Madhu	85
11.0-3-1	11'0-3-2	110-3-3	110-3-4	110-3-5	1±0-3-6
4	4000	0	Kasilova	Vika	95
1	110-4-2	110-4-3	110-4-4	11:0-4-5	110-4-6
2	5000	0	LeRoq	Henri	75
1	11:0-5-2	110-5-3	110-5-4	1r <u>0-5-5</u>	110-5-6
110-5-1	11.0-2.2				

FIG. 10

Docket No.: 3330.1021 to Title: Controlling Visibility in Multi-Version ... Inventors: Foster D. Hinshaw et al.

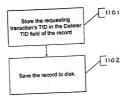


FIG. II

Docket No.: 3330.1017-007
Title: Controlling Visibility in Multi-Version ... Foster D. Hinshaw et al.

Inventors:

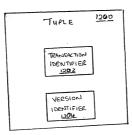


FIG. 12

Title: Controlling Visibility in Multi-Version ...

Inventors: Foster D. Hinshaw et al.

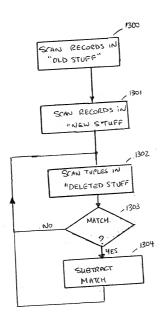


FIG. 13

Docket No.: 3336. 10 (17-0)
Title: Controlling Visibility in Multi-Version ...
Inventors: Foster D. Hinshaw et al.

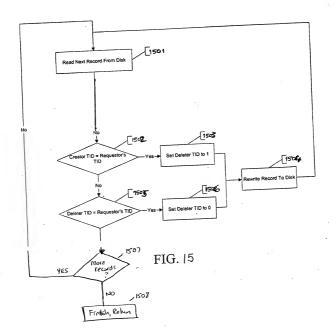
DELETE
CURRENT RECORD

CREENTE NEW
RECORD

STORE RECORD IN FROM
DELETE RECORD IN
NEW RECORD

F19.14

Docket No.: 3330.127367 Title: Controlling Visibility in Multi-Version ... Inventors: Foster D. Hinshaw et al.



Title: Controlling Visibility in Multi-Version ...
Inventors: Foster D. Hinshaw et al.

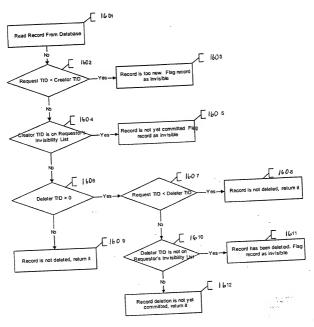


Fig. 16

Title: Controlling Visibility in Multi-Version ... Foster D. Hinshaw et al. Inventors: - Visibility List - Invisibility List none none none 5000 none none none none none none none 2000 none none none 5000 none 5000 none none none none Read 2, get 40 1234 < T < 5000 Read 2, get 75 1234 < 5000 < T Read 2, get 75 1234 < 5000 < T Read 2, get 40 1234 < T < 5000 Read 2, get 75 1234 < 5000 < T Fig. 17 110 111 112 113 114 115 116 Modify 2, set value to 75 4 2 œ Create 2, set value to 40 4 9 ξĵ 4 Read Uncommitted Isolation Mode Read Committed Isolation Mode Serializable Isolation Mode ß T = 5600 | Any and all Isolation modes ß Ξ 2 T = 1234T = 4100T = 5100 T = 4200T = 5200T = 4300T = 5300T = 4400T = 5400T = 4500T = 5500T = 5000

3330.1011 ~~.

Docket No.:

Docket No.: 3330.1017-001

Title: Controlling Visibility in Multi-Version ...

Inventors: Foster D. Hinshaw et al.

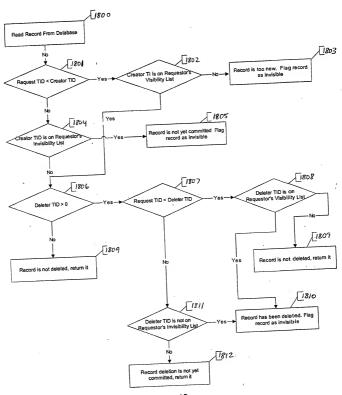


Fig. 18

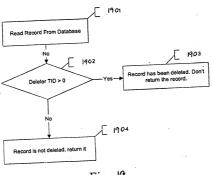
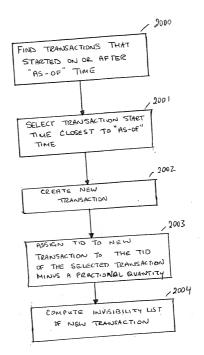


Fig. 19

Docket No.: 3336.1017-001 Title: Controlling Visibility in Multi-Version ... Foster D. Hinshaw et al.

Inventors:



Docket No.: Title: Controlling Visibility in Multi-Version ...
Inventors: Foster D. Hinshaw et al. 3336.1017-00

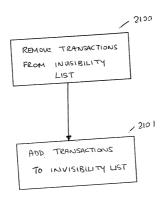


FIG. 21

Docket No.: 3336. Where the Title: Controlling Visibility in Multi-Version ...
Inventors: Foster D. Hinshaw et al.

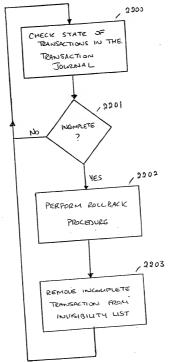


FIG. 22